Single Stock Fund Middleware

Version Description Document

Implementation Release

MWN-701-1-B

11 April 2007

Prepared by:

Program Manager, SSF

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Vienna, VA 22182

Contract: W909MY-06-F-0022
CDRL A0012

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1.   SCOPE

1.1   Identification

This is the AT&T Government Solutions *Version Description Document (VDD)* for the Single Stock Fund (SSF) .NET (MWN) Middleware (MW) Implementation Release MWN-701-1-B. The SSF MWN MW is an unclassified software product designed for the Microsoft Windows 2003 architecture and composed of commercial off-the-shelf (COTS) software and developed Middleware software.

1.2   System Summary

Single Stock Fund MW is a software and hardware platform that allows legacy Army wholesale and retail automated data processing systems to interact within an integrated architecture.

1.3   Document Overview

This Version Description Document contains information specific to the changes incorporated in this SSF MW release:

- **Section 1** provides the system release identification, a summary of the Middleware system, and an overview of this document
- **Section 2** records the inventory, distribution method, and incorporated changes contained in this release
- **Section 3** details the installation instructions and post-installation verification checklists
- **Section 4** describes new functionality and known issues specific to this release, receipt notification information, and a list of reference documents

2.   VERSION DESCRIPTION

2.1   Inventory of Materials Released

The software and instructions contained in this release have been validated and approved for implementation by the SSF Middleware Test Manager.

- MWN-701-1-B.zip*:* Implementation Release archive dated 11 April 2007
- MWN-701-1-B.*pdf:* Version Description Document dated 11 April 2007

2.2   Version List of SSF Middleware Software Items

The Middleware Implementation Release archive contains the following software items (as listed with new version and time/date stamp information):

003.000.010.21890	04-05-2007 13:10:00.000	ABFProc.exe
---.---.---.----	04-05-2007 13:10:00.000	ABFProc.pdb
003.000.010.21973	04-05-2007 13:12:00.000	F09Proc.exe
---.---.---.----	04-05-2007 13:12:00.000	F09Proc.pdb
003.000.010.31679	04-05-2007 19:10:46.000	MWProc.dll
---.---.---.----	04-05-2007 19:10:46.000	MWProc.pdb
003.000.010.22151	04-05-2007 13:18:00.000	OSCProc.exe
---.---.---.----	04-05-2007 13:18:00.000	OSCProc.pdb

MWN-701-1-B-SSF.sql

MWN-701-1-B.reg

2.3   Distribution of Release

This Implementation Release will be provided directly to applicable sites by the Middleware Operations Manager. Both the zip and VDD (in PDF format) are available for this release.

2.4   Change Requests (CRs)

This release implements fixes for the following SSF Middleware CCB-approved Change Requests (related Problem Reports (PR) or Trouble Tickets (TT) noted if applicable).

- 2780
- 2788
- 2789
- 2790
- 2796
- 2834

CR #	MS	Related PR/TT	Status	Release ID	Release Date
2780	MWN	NA (Per D. Hone AMC-G3)	RELEASED	MWN-701-1-B	

Title: MW 37: Correctly process the D4S in MW 37

CR Class: 2: Defect Correction

SME: B. Amos

Fast Track Date:

Opened: 02/06/07   **Priority:** 2   **Comment:**

Description:

SARSS output to the OSC includes DIC D4S. MW is not processing the D4S correctly. MW processes D4S by only changing RIC SOS in RP 4-6. There is not a DS/RX check up front for blocking purposes. MW also does not change the signal fund code when there is an AWCF in RP 30-35. MW also does not overlay RP 45-50 with the AWCF DODAAC when RP 30-35 is an AWCF SARSS-1. When the DODAAC in RP 30-35 is not equal to an AWCF SARSS-1, MW is not blocking this transaction from the OSC file.

Justification:

Incorrect processing could have CCSS/LMP pick up DS/RX OMA assets and also error out dedicated customer receipts the system should not receive.

Resolution:

MWN 37 has been modified to process a D4S as follows:
1. Does RP 30-35 have a purpose code equal to AWCF? If no, and the niin is equal to BAC 2, write the transaction to FCO output file for FCM. Block the transaction from OSC output file for CCSS/LMP.
2. If yes, is the NIIN in RP 8-22 and AWCF SARSS RIC in RP 67-69 is on the OMANIIN table? If yes, block the transaction.
3. If no, and RP 30-35 is equal to purpose code AWCF, MW will overlay RP 45-50 with corresponding DODAAC.
    3a. MW will use AWCF signal/fund code logic of "MGK"
    3b. MW will continue to use derive SOS logic for RP 4-6.
    3c. MW will add D4S to use existing blocking logic in MW 50.
    3d. MW will create a DZK for processed D4S.

CR # 2788	MS MWN	Related PR/TT NA (Results of error condition tracking per Admin)	Status RELEASED	Release ID MWN-701-1-B	Release Date

Title: MW ZZ: Reactivate the Adminstrator Action File in MW ZZ

CR Class: 2: Defect Correction

SME: B. Amos

Opened: 02/19/07   **Priority:** 2

Fast Track Date:

Comment:

Description:

MWN provides the mechanism for alerting the administrator when an error condition other than a program abort presents itself that requires immediate administrator attention. When this feature was initially installed, errors that were not necessarily severe were flagged by the alert mechanism which resulted in unnecessary work for the administrators. The AAF alert mechanism provides a necessary function and needs to be reactivated for only severe errors.

Justification:

The Administrators need to be aware of error conditions requiring immediate attention.

Resolution:

Non-fatal error messages are no longer written to the AAF table.

CR # 2789	MS MWN	Related PR/TT NA (Per email with R. Spee)	Status RELEASED	Release ID MWN-701-1-B	Release Date

Title: MW ZZ: Create a Log history for the Administrators in MW ZZ

CR Class: 2: Defect Correction

SME: B. Amos

Fast Track Date:

Opened: 02/19/07   **Priority:** 2   **Comment:**

Description:

A condition exists where the MWN platform will freeze with an operating system error causing a Blue Screen in Windows. This causes an immediate system halt. The log files are currently overwritten by default whenever a transaction processing module is restarted via normal restart operations. If a transaction process completes before interprocess communications fail as a result of the system halt, the automatic restart process will be executed in error when the system is restarted. This presents a false process abort to the administrator, however the administrator is unable to determine if the error condition is valid because the log file is overwritten when the restart is executed.

The administrator staff requires the process logs be appended for restarts, while the development and test staff requires the current log file overwrite capability.

Justification:

The Administrators need a complete history of a file process including all processing attempts.

Resolution:

A new registry entry named AppendLog has been created to control the behavior of the log files. If this registry key is set to 1, the log files are appended, if set to 0 they are overwritten.

CR #	MS	Related PR/TT	Status	Release ID	Release Date
2790	MWN	NA (Per test results)	RELEASED	MWN-701-1-B	

Title: **MW 73: Capture the same set of transactions for all processes in MW 73**

CR Class: 2: Defect Correction

SME: B. Amos   **Fast Track Date:**

Opened: 02/19/07   **Priority:** 2   **Comment:**

Description:

MWN captures A0,AC,AK,AF,AM,AT,A4,A6,AE,D4,D6,D8,D9, A5,XM,DF,DG AS6,and AS2 transactions for all processes except the OMA F09 process. The OMA F09 process only captures the A5 where 4-6 is AWCF and 73 is blank, and AS6 and AS2 transactions. The field has begun using the Input History table for causative research on potentially missing transactions, and the updated Touch table no longer carries the complete input transaction. The current capture does not present an accurate view of these transactions for historical analysis. In addition to the OMA F09 capture, there are several missing transactions for all other processes.

Justification:

Input History does not contain the full set of transactions processed by MW.

Resolution:

The following transactions are now added to the InputHistory table including the AS1:
The set of transactions will be the set that is captured for processes except the OMA F09 with the following additions: AB_, AR_, AU_, AS3, BAH, BK_, DR_, DAC, DAD, DKA, FT_ and YUS.

CR #	MS	Related PR/TT	Status	Release ID	Release Date
2796	MWN	NA (Results of processing)	RELEASED	MWN-701-1-B	

Title: MW 74: Do NOT process A0_ , AT_ or AM_ where FAS value is equal to "R" in RP 79 in MW 74

CR Class: 2: Defect Correction

SME: B. Amos

Fast Track Date: 3/22/2007 11:26:42AM

Opened: 02/22/07   **Priority:** 2   **Comment:**

Description:

FAS value of "T, K, M, O and R" are being used in the NSF table in SARSS 2A to reject a transaction.

Justification:

Dollars are being expended unnecessarily for requisitions deemed not necessary by a financial or logistical manager.

Resolution:

MW now blocks all A0/AT/AM transactions with FAS value of T,K,M,O and R from wholesale, these transactions are not sent to FCM if the NIIN is not on the catalog or the item is Non-BAC2

CR #	MS	Related PR/TT	Status	Release ID	Release Date
2834	MWN	NA (Results per processing)	RELEASED	MWN-701-1-B	

Title: **MW ZZ: Rename processed output ISB file and stage for FTP in MW ZZ**

CR Class: 2: Defect Correction
   SME: B. Amos
   Opened: 03/21/07   **Priority:** 2

Fast Track Date: 3/22/2007 11:27:24AM

Comment: CR recommended for Fast Track approval.

Description:

MWN FINRIC is being derived and the ISB output files are not input into a incorrect folder by the FTP out process on Vienna server.

When MW is processing multiple input F09 files, they sometime get assigned an incorrect FINRIC depending on previous processing of input files within MW. MW is processing an input S9B file and creates a OSC output file to go back to the CTASC. Before MW names this file, the CTASC is checked for a data time group (DTG) to assign to this file. MW queries the CTASC for this DTG and assigns this grouping to the output OSC file. i.e. 032107154433. Within seconds, MW receives input F09 input files and starts processing. One of these input files has the same DTG as the output OSC file. When MW is finished processing the F09 and goes to write out the ISB file to FTP, it looks for the control record sent with the file, but it finds the one created for the OSC output with the same file name and takes the FINRIC of this control record, which is "AF4". This causes the output ISB to be written to the incorrect FINRIC directory on the Vienna server. Resource managers may end of missing a F09 to process into ISB. This can also happen when MW creates a DAAS output file and use the FINRIC of "HR2".

Justification:

On limited occasions, Resource Managers have "missed" picking up the latest ISB file put on the Vienna server due to incorrect FINRIC being used.

Resolution:

The FINRic identifier for the F09 FTP file is now derived from the transaction stream of the data file rather than the Dest item in the control record for finance files

3.   INSTALLATION INFORMATION

Previously distributed SSF Middleware Implementation Release packages should be installed and reported as directed in Section 4.3 prior to installation of this release.

3.1   Installation Adaptation

There is no site-specific data associated with this release.

3.2   Pre-Installation Instruction Checklist

3.2.1   Copy your current SSF/BIN directory to a separate location on the D drive.

3.2.2   SCP Downloading Instructions

1. On Node 1 (Active Node), ensure the folder **D:\NewReleases** exists and is empty. If not, create the folder.
2. Download the current release from the FTP server (ftp://192.86.226.108/MWN-701-1-B) to your local desktop.
3. Copy the release from your desktop to **D:\NewReleases\MWN-701-1-B** folder on Node 1 (or whichever Node controls the resources).You may have to create this folder.

3.2.3   Extract MWN-701-1-B

1. Navigate to the **D:\NewReleases\MWN-701-1-B** folder. Extract the contents. Two additional folders will be created: Install & BIN

3.2.4   Overwrite BIN

1. Stop MW Scheduler.
2. Navigate to the **D:\NewReleases\MWN-701-1-B\BIN** folder. Copy all files from the **D:\NewReleasesMWN-701-1-B\BIN** folder to the X:\SSF\BIN directory.
3. When prompt to overwrite, select YES or YES TO ALL.
4. Verify new Proc version numbers.

3.2.5   Run SQL Scripts

1. Start Query Analyzer. Open **D:\NewReleases\MWN-701-1-B\INSTALL\ MWN-701-1-B-SSF.sql**. Select the SSF database from the drop down menu.
2. Run the query.
3. Open **D:\NewReleases\MWN-701-1-B\INSTALL\ MWN-701-1-B-RIC.sql**. Select the SSF_RIC database from the drop down menu.
4. Run the query.

3.3   Update Registry

3.3.1   Backup Registry

1. Go to START\RUN to display the RUN box
2. Type REGEDIT and click the OK button
3. The REGISTRY EDITOR screen will be displayed. Navigate to KEY_LOCAL_MACHINE\SOFTWARE\SSF and click on the SSF folder
4. At the top of the REGISTRY EDITOR screen, click REGISTRY then select EXPORT REGISTRY FILE
5. The EXPORT REGISTRY FILE box will open. Check the lower left-hand corner of the EXPORT REGISTRY FILE box and make sure the SELECTED BRANCH option is selected and HKEY_LOCAL_MACHINE\SOFTWARE\SSF is displayed
6. Type in a files name for the SSF registry export and navigate to the location the file is to be saved
7. In the SAVE AS TYPE area, make sure the file type is REGISTRATION FILES.
8. Click the SAVE button
9. Repeat steps 1- 8 for Node 2.

3.3.2   Update Registry

1. Update the SSF registry by double-clicking on D:\NewReleases\MWN-701-1-B\INSTALL\ MWN-701-1-B.reg. This sets the new registry entry AppendLog to 0 and the log files are overwritten.   If this registry key is set to 1, the log files are appended.

3.4   Post-Installation Instruction Checklist

3.4.1   MWN-701-1-B Middleware Baseline Files

```
003.000.010.21890      04-05-2007 13:10:22.000 ABFProc.exe
---.---.---.----        04-05-2007 13:10:22.000 ABFProc.pdb
007.010.3077.0000      03-18-2003 15:49:54.000 adodb.dll
003.010.000.0000       10-05-2006 02:23:36.000 ANZProc.exe
003.000.010.25048      10-05-2006 00:54:58.000 AWGProc.exe
---.---.---.----        10-05-2006 00:54:58.000 AWGProc.pdb
---.---.---.----        04-10-2007 13:41:24.468 bkpjobs
003.000.010.25397      02-28-2007 15:07:42.000 CATProc.exe
---.---.---.----        02-28-2007 15:07:42.000 CATProc.pdb
003.000.010.31165      01-29-2007 18:20:34.000 CTASCIO.exe
---.---.---.----        01-29-2007 18:20:34.000 CTASCIO.pdb
2000.080.760.0000      12-17-2002 03:23:52.000 custtask.dll
003.000.010.31077      01-29-2007 18:16:10.000 DACProc.exe
---.---.---.----        01-29-2007 18:16:10.000 DACProc.pdb
003.000.2596.26202     02-09-2007 17:09:18.640 Disconnect.exe
---.---.---.----        02-09-2007 17:09:19.187 Disconnect.pdb
2000.080.760.0000      12-17-2002 03:23:58.000 dtspkg.dll
2000.080.760.0000      12-17-2002 03:23:58.000 dtspump.dll
003.000.010.21973      04-05-2007 13:12:36.000 F09Proc.exe
---.---.---.----        04-05-2007 13:12:36.000 F09Proc.pdb
003.000.010.31063      01-29-2007 18:15:32.000 F91Proc.exe
---.---.---.----        01-29-2007 18:15:32.000 F91Proc.pdb
```

```
003.000.010.25298        10-05-2006 01:03:18.000 FCMProc.exe
---.---.---.----          10-05-2006 01:03:18.000 FCMProc.pdb
003.000.010.25318        10-05-2006 01:03:58.000 FEDProc.exe
---.---.---.----          10-05-2006 01:03:58.000 FEDProc.pdb
---.---.---.----          04-11-2007 13:12:55.421 file.txt
003.000.010.26323        12-04-2006 15:39:18.000 FTPOut.exe
---.---.---.----          12-04-2006 15:39:18.000 FTPOut.pdb
003.000.010.23193        12-01-2006 14:12:00.000 FTPProc.exe
---.---.---.----          12-01-2006 14:12:00.000 FTPProc.pdb
003.000.010.25382        10-05-2006 01:06:08.000 HSTProc.exe
---.---.---.----          10-05-2006 01:06:08.000 HSTProc.pdb
002.000.000.0000         12-17-2002 03:23:58.000 Interop.DTS.dll
001.000.000.0000         12-17-2002 03:23:52.000 Interop.DTSCustTasks.dll
002.000.000.0000         12-17-2002 03:23:58.000 Interop.DTSPump.dll
007.000.9466.0000        06-12-2003 04:41:22.000 Microsoft.StdFormat.dll
007.010.3077.0000        03-18-2003 15:53:22.000 Microsoft.VisualBasic.Compatibility.Data.dll
007.010.3077.0000        03-18-2003 15:53:24.000 Microsoft.VisualBasic.Compatibility.dll
007.000.9466.0000        06-12-2003 04:41:22.000 MSDATASRC.dll
003.000.010.25400        10-05-2006 01:06:54.000 MWFCM.dll
---.---.---.----          10-05-2006 01:06:54.000 MWFCM.pdb
003.000.010.31679        04-05-2007 19:10:46.000 MWProc.dll
---.---.---.----          04-05-2007 19:10:46.000 MWProc.pdb
000.000.000.0001         01-11-2006 22:11:58.000 NZipLib.dll
003.000.010.27314        10-05-2006 02:10:32.000 O80Proc.exe
---.---.---.----          10-05-2006 02:10:32.000 O80Proc.pdb
003.000.010.27329        10-05-2006 02:11:02.000 OMAProc.exe
---.---.---.----          10-05-2006 02:11:02.000 OMAProc.pdb
003.000.010.22151        04-05-2007 13:18:30.000 OSCProc.exe
---.---.---.----          04-05-2007 13:18:30.000 OSCProc.pdb
003.000.010.27379        10-05-2006 02:13:36.000 PrjProc.exe
---.---.---.----          10-05-2006 02:13:36.000 PrjProc.pdb
003.000.010.26383        12-04-2006 15:39:36.000 ProcPanel.dll
---.---.---.----          12-04-2006 15:39:36.000 ProcPanel.pdb
003.000.2417.29722       08-14-2006 17:33:00.000 Reconnect.exe
---.---.---.----          08-14-2006 17:33:00.000 Reconnect.pdb
003.000.010.27438        10-05-2006 02:14:38.000 S9BProc.exe
---.---.---.----          10-05-2006 02:14:38.000 S9BProc.pdb
003.000.010.26385        12-04-2006 15:39:36.000 Scheduler.exe
---.---.---.----          12-04-2006 15:39:36.000 Scheduler.pdb
---.---.---.----          12-19-2002 02:44:00.000 SSFVer.exe
007.000.9466.0000        06-12-2003 04:29:02.000 stdole.dll
```

3.4.2   Post Installation Audit Checklist

Follow the instructions below to audit the installation of this release:

1. Open an MS-DOS window
2. Set the current working directory to X:\SSF\bin
3. Enter: "ssfver –d" to display a version listing of executables in the current directory
4. Verify that the MW proc version numbers listed by the 'ssfver' command are identical to those listed in Section 2.2

3.5   Additional Instructions

There are no additional instructions.

4.   NOTES

4.1   New Functionality

This release does not contain new functionality requiring Systems Administration interaction. New Middleware transactional processing functionality is described in Section 2.4.

4.2   Known Issues and Workarounds

There are no known issues or workarounds associated with this release.

4.3   Implementation Notification

Implementation of this release must be reported via the Middleware Tracking website (http://192.86.226.111//portal/login.asp) and e-mail (*) to the following:

Mr. Robert Spee
Middleware Operations Manager
Robert.Spee@us.army.mil
1. 256.955.9980

Mr. Joe Turner
Configuration Manager
jturner@grci.com
1.703.506.5282

To report this release on the Middleware Tracking site do the following:
1.   Login
2.   From the top menu select **Reports/SCPs/Enter SCP**
3.   Enter the SCP number and Implementation date
4.   Note any installation problems issues in the **Implementation Issues** area
5.   After updating the SCP information check Submit.
6.   You will be prompted for a new version number file for each Node. Copy and paste your new ssfver files in the area provided and click **Submit**
7.   Copy and paste the ssfver file on the FTP Server under /MWNReleases/MWN-701-1-B/

(*) If e-mail capability is unavailable, please make implementation notifications using the above telephone numbers. Include the following information:

1.   Middleware Release Implemented
2.   Implementation Date
3.   Implementation Site Name
4.   Address
5.   Telephone
6.   Implementation Point of Contact Name

7. Telephone
8. E-mail address
9. Implementation Issues

4.4   Reference Documents

The following AT&T Government Solutions documents provide further explanation of the SSF Middleware system:

*
    SSF Middleware End Users Manual (EUM)
*   SSF Middleware Detailed Functional Descriptions (DFD)

Contact the SSF Middleware Site Operations Manager (see 4.3) for information on these documents.